

References [supramolecular strategies in transition metal catalysis](#).

Reviews:

M. J. Wilkinson, P. W. N. M. van Leeuwen, J. N. H. Reek* Perspective article “New directions in supramolecular transition metal catalysis” *Org. Bio. Chem.* **2005** DOI: 10.1039/b503407h).

J.N.H. Reek*, D. de Groot, G.E. Oosterom, P.C.J. Kamer, P.W.N.M. van Leeuwen, Core and periphery functionalized dendrimers for transition metal catalysis; a covalent and a non-covalent approach *Rev. Mol. Biotech.* **2002**, *90*, 159.

R. van Heerbeek, P.C.J. Kamer, P.W.N.M. van Leeuwen, J. N. H. Reek,* *Chem. Rev.*, **2002**, *102*, 3717

Patents:

J.N.H. Reek, R.F. Chen, P.C.J. Kamer, V.C. Slagt, P.W.N.M. van Leeuwen, Patent application “Coordination complex system comprising building blocks“ 03076827.0-2104 (**2003**)

Original contributions

R. van Heerbeek, J.N.H. Reek, P.C.J. Kamer and P.W.N.M. van Leeuwen, Divergent synthesis of carbosilane wedges as dendritic building blocks: a new strategy towards core functionalised carbosilane dendrimers *Tetrahedron Lett* **1999**, *40*, 7127.

M. Schreuder Goedheijt, B.E. Hanson, J.N.H. Reek, P.C.J. Kamer, P.W.N.M. van Leeuwen, Spontaneous Formation of Vesicles from Amphiphilic Diposphines: A Highly Selective and Recyclable Rhodium Catalyst. *J. Am. Chem. Soc.* **2000**, *122*, 1650.

D. de Groot, B.F.M de Waal, J.N.H Reek,* A.P.H.J. Schenning, P.C.J. Kamer, E.W. Meijer,* P.W.N.M. van Leeuwen, Noncovalently Functionalized Dendrimers as Recyclable Catalysts. *J. Am. Chem. Soc.* **2001**, *123*, 8453.

V.C. Slagt, J.N.H. Reek*, P.C.J. Kamer and P.W.N.M. van Leeuwen, Assembly of Encapsulated Transition Metal Catalysts, *Angew. Chem. Int. Ed.*, **2001**, *40*, 4271-4274 (Front cover)

J.J.L.M. Cornelissen, R. van Heerbeek, P.C. J. Kamer, J.N.H. Reek, N.A.J.M. Sommerdijk, and R.J.M. Nolte, Silver Nanoarrays templated by Blockcopolymers of Carbosilane-Dendrimers and Polyisocyanopeptides, *Adv. Mater.*, **2002**, *14*, 489.

V.F. Slagt, P.W.N.M. van Leeuwen, J.N.H. Reek* Bidentate ligands formed by self-assembly, *Chem. Commun.* **2003**, 2474.

V.F. Slagt, P.W.N.M. van Leeuwen, J.N.H. Reek*, Multicomponent porphyrin assemblies as functional bidentate phosphite ligands for regioselective rhodium-catalyzed hydroformylation. *Angew. Chem. Int. Ed.* **2003**, *42*, 5619.

V. F. Slagt, P. C. J. Kamer, P. W. N. M. van Leeuwen, J. N. H. Reek* Encapsulation of Transition Metal Catalysts by Ligand-Template Directed Assembly, *J. Am. Chem. Soc.* **2004**, *126*, 1526.

V. F. Slagt, M. Röder, P. C. J. Kamer, P. W. N. M. van Leeuwen, J. N. H. Reek* Supraphos: A Supramolecular Strategy To Prepare Bidentate Ligands. *J. Am. Chem. Soc. (communication)* **2004**, *126*, 4056.

A. Dirksen, U. Hahn, F. Schwanke, J. N. H. Reek, F. Vögtle, L. De Cola, Multiple Recognition of Barbiturate Guests by “Hamilton” Receptor-Functionalized Dendrimers, *Chem. Eur. J.* **2004**, *10*, 2036.

J. J. L. M Cornelissen, M. Fischer, R. van Waes, R. van Heerbeek, P. C. J.; Kamer, J. N. H. Reek, N. A. J. M. Sommerdijk, R.J.M. Nolte, Synthesis, characterization and aggregation behavior of block copolymers containing a polyisocyanopeptide segment, *Polymer*, **2004**, *45*, 7417-7430.

R. Chen, R.P.J. Bronger, P. C. J. Kamer, P. W. N. M. van Leeuwen, J. N. H. Reek* “Noncovalent anchoring of Homogeneous Catalysts to Silica Supports with well-defined Binding Sites” *J. Am. Chem. Soc.* **2004**, *126*, 14557.

A. W. Kleij, M. Kuil, D.M. Tookey, M. Lutz, A. L. Spek, J. N.H. Reek * “Zn-Salphen Complexes as Versatile Building Blocks for the Construction of Supramolecular Box Assemblies” *Chem. Eur. J.*, **2005**, DOI 10.1002/chem.200500227

J.N.H. Reek *, M. Röder, P. E. Goudriaan, P. C.J. Kamer, P. W.N.M. van Leeuwen, V. F. Slagt, “Supraphos: a supramolecular strategy to prepare bidentate ligands” *J. Organometal. Chem.* **2005** [doi:10.1016/j.jorgchem.2005.02.026](https://doi.org/10.1016/j.jorgchem.2005.02.026)

A. W. Kleij, M. Lutz, A. L. Spek, P.W. N. M. van Leeuwen, J. N. H. Reek* “Encapsulated Transition Metal Catalysts Comprising Peripheral Zn(II)salen Building Blocks: Template-Controlled Reactivity and Selectivity in Hydroformylation Catalysis” *Chem. Commun.* **2005** (Advance Article) DOI: [10.1039/b503708e](https://doi.org/10.1039/b503708e)